

**Amendment to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

I claim:

1. (currently amended) An intrusion detection and remote alarm communication system comprising:  
an intrusion detecting sensor, said sensor being capable of detecting the entry of an intruder into a space, said sensor ~~connected to~~ communicating with a transmitter, said sensor sending a predetermined signal to said transmitter when an intruder is detected, said sensor in a location proximate to said transmitter,  
a transmitter, said transmitter transmitting a signal to a receiver, said signal having a first mode and a second mode, said first mode being ~~an encrypted stream of information following a prearranged pattern,~~ a prearranged secret sequence of different messages known as the first set, said first mode indicating a normal secure condition, said second mode indicating that said sensor has sent said predetermined signal to said transmitter that an intruder has been detected, said second mode being the alarm mode,  
a receiver, located at a distance from said transmitter, said receiver having means for receiving said signal from said transmitter, ~~said receiver having means for de-encrypting said signal and recognizing said prearranged pattern to be correct and~~ said receiver having access to a second set of said prearranged secret sequence of different messages identical to said first set, said receiver having means for comparing said received sequence with said second set and recognizing that said received sequence corresponds with said second set and responding by indicating a normal secure condition, said receiver recognizing that said ~~information pattern is incorrect~~ received sequence does not correspond with said second set and responding by indicating an alarm condition, said receiver recognizing an interruption in said ~~encrypted stream of information~~ signal and responding by indicating an alarm condition, said receiver recognizing said second mode and responding by indicating an alarm condition.
2. (original) An intrusion detection and remote alarm communication system, according to claim 1, further comprising a video camera, located in said space, connected to said transmitter and responding to signals from said transmitter, said video camera transmitting video images to said transmitter, said video images being stored in said transmitter and said video images being transmitted by said transmitter to said receiver.

3. (original) An intrusion detection and remote alarm communication system, according to claim 1, further comprising a countermeasure device, located in said space, connected to said transmitter and responding to signals from said transmitter, said signals from said transmitter causing the countermeasure device to release materials to impede the progress of intruders entering said space.

4. (original) An intrusion detection and remote alarm communication system, according to claim 1, further comprising a container, enclosing said space, said container enclosing said sensor and said transmitter.

5. (original) An intrusion detection and remote alarm communication system, according to claim 1, further comprising a redundant sensor, thereby providing confirmation of an intrusion into said space.

6. (original) An intrusion detection and remote alarm communication system, according to claim 1, wherein said receiver transmits an electromagnetic broadcast alarm signal when indicating an alarm condition.

7. (original) An intrusion detection and remote alarm communication system, according to claim 1, wherein said receiver is capable of receiving input signals from multiple transmitters and responding by providing multiple output displays.

8. (currently amended) An intrusion detection and remote alarm communication system, according to claim 1, wherein said receiver will always indicate an alarm condition whenever said ~~correct encrypted data stream~~ first mode signal is not received and said receiver will always indicate an alarm condition whenever ~~an alarm signal~~ a second mode signal is received.

9. (currently amended) An intrusion detection and remote alarm communication system, according to claim 1, wherein ~~said transmission by~~ said transmitter transmitting a signal is by airborne electromagnetic broadcast.

10. (currently amended) An intrusion detection and remote alarm communication system, according to claim 1, wherein ~~said transmission by~~ said transmitter transmitting a signal is carried on a landline.

11. (original) An intrusion detection and remote alarm communication system, according to claim 1, further comprising:

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a backup power supply unit supplying power to said transmitter when external power is interrupted, said transmitter recognizing when external power is interrupted and transmitting a predetermined signal to said receiver,

a backup power supply supplying power to said receiver when external power is interrupted, said receiver recognizing when external power is interrupted and broadcasting a predetermined signal.

12. (original) An intrusion detection and remote alarm communication system, according to claim 1, further comprising a second receiver at a third location, said second receiver monitoring said transmitter signals, said second receiver recognizing an interruption in said encrypted stream of information and responding by indicating an alarm condition, said second receiver recognizing said second mode and responding by indicating an alarm condition.

13. (original) An intrusion detection and remote alarm communication system, according to claim 12, wherein said first receiver broadcasts a predetermined alarm signal when said alarm signal is received from said transmitter, said second receiver receives said predetermined alarm signal from said first receiver and indicates an alarm condition.

Cancel claims 14-19.

Cancel claims 20-22.

Withdraw claims 23-28.

Withdraw claims 29-32.

Withdraw claims 33-36.

37. (currently amended) An intrusion detection and remote alarm communication system comprising:

an intrusion detecting sensor, said sensor being capable of detecting the intrusion into a space in a first location, said sensor ~~connected to~~ communicating with a first transmitter/receiver in said first location, said sensor sending a predetermined signal to said first transmitter/receiver when an intrusion is detected,

said first transmitter/receiver in a said first location communicating with a second transmitter/receiver in a second location, said communicating having a first mode and a second mode, said first mode being ~~the exchange of encrypted information following a prearranged pattern, successfully maintaining said prearranged pattern communication indicating a normal secure condition at said first location and the integrity of said communicating,~~ receiving said stimulus message from a second

transmitter/receiver, transforming said stimulus message using a secret prearranged method to yield a reply message, transmitting said reply message to said second transmitter/receiver, said first mode indicating that said space and the communication link is secure, said second mode indicating said sensor has sent said predetermined signal to said first transmitter/receiver that an intrusion has been detected, said first transmitter/receiver interrupting said first mode to transmit an alarm in said second mode, said second mode being an alarm mode,

~~said second transmitter/receiver recognizing when received information pattern in said first mode is incorrect and responding by indicating an alarm in said second location, said second transmitter/receiver recognizing an interruption in said exchange of encrypted information and responding by indicating an alarm, said second transmitter/receiver recognizing said second mode being communicated from said first transmitter/receiver and responding by indicating an alarm,~~

said second transmitter/receiver sending said stimulus message taken from a set of stimulus messages each having a correct reply message transformed from said stimulus message using said secret prearranged method, receiving said reply message from said first transmitter/receiver, comparing said reply message with said correct reply message, said second transmitter/receiver indicating a normal secure condition when said reply message is correct, said second transmitter/receiver indicating an alarm condition when said reply message is incorrect, said second transmitter/receiver indicating an alarm condition when there is no reply, said second transmitter/receiver recognizing said second mode and responding by indicating an alarm condition.

38. (previously added) An intrusion detection and remote alarm communication system, according to claim 37, further comprising a video camera, located in said space, connected to said first transmitter/receiver and responding to signals from said first transmitter/receiver, said video camera transmitting video images to said first transmitter/receiver, said video images being stored in said first transmitter/receiver and said video images being transmitted by said first transmitter/receiver to said second transmitter/receiver.

39. (previously added) An intrusion detection and remote alarm communication system, according to claim 37, further comprising a countermeasure device, located in said space, connected to said first transmitter/receiver and responding to signals from said first transmitter/receiver, said signals from said transmitter/receiver causing the countermeasure device to release materials to impede the progress of intrusion into said space.

40. (previously added) An intrusion detection and remote alarm communication system, according to claim 37, further comprising a container, enclosing said space, said container enclosing said sensor and said first transmitter/receiver.

41. (previously added) An intrusion detection and remote alarm communication system, according to claim 37, further comprising a redundant sensor, thereby providing confirmation of an intrusion into said space.

42. (previously added) An intrusion detection and remote alarm communication system, according to claim 37, wherein said second transmitter/receiver transmits an electromagnetic broadcast alarm signal when indicating an alarm condition.

43. (previously added) An intrusion detection and remote alarm communication system, according to claim 37, wherein said second transmitter/receiver is capable of receiving input signals from multiple first transmitter/receivers and responding by providing multiple output displays.

44. (currently amended)) An intrusion detection and remote alarm communication system, according to claim 37, wherein said second transmitter/receiver will always indicate an alarm condition whenever said correct ~~encrypted information~~ reply message is not received and said second transmitter/receiver will always indicate an alarm condition whenever an alarm signal is received.

45. (previously added) An intrusion detection and remote alarm communication system, according to claim 37, wherein said communicating by said first transmitter/receiver is by airborne electromagnetic broadcast.

46. (previously added) An intrusion detection and remote alarm communication system, according to claim 37, wherein said communicating by said first transmitter/receiver is carried on a landline.

47. (previously added) An intrusion detection and remote alarm communication system, according to claim 37, further comprising a backup power supply unit supplying power to said first transmitter/receiver when external power is interrupted, said first transmitter/receiver recognizing when external power is interrupted and transmitting a predetermined signal to said second transmitter/receiver,

48. (previously added) An intrusion detection and remote alarm communication system, according to claim 37, further comprising a third transmitter/receiver, said third transmitter/receiver monitoring said communicating signals, said third transmitter/receiver recognizing an interruption in said encrypted stream

of information and responding by broadcasting an alarm, said third transmitter/receiver recognizing said second mode and responding by broadcasting an alarm condition.

49. (currently amended) An intrusion detection and remote alarm communication system, according to claim 37, wherein said ~~prearranged pattern of communicating in the~~ said first mode is said second transmitter/receiver ~~sending~~ transmitting an encrypted stimulus message to said first transmitter/receiver, said first transmitter/receiver responding with an encrypted prearranged secret reply message to said second transmitter/receiver, comparing said reply message to the said prearranged secret correct response reply message at said second location, indicating an alarm when a correct reply message is not received at said second location.

50. (currently amended) An intrusion detection and remote alarm communication system, according to claim 37, wherein said prearranged pattern of communicating in the first mode is said second transmitter/receiver sending an encrypted first stimulus message to said first transmitter/receiver, said first transmitter/receiver responding with an encrypted reply message that is a prearranged secret transformation of said first stimulus message to said second transmitter/receiver, comparing said reply message to the prearranged correct response at said second location, indicating an alarm when a correct reply message is not received at said second location.

51. (currently amended) An intrusion detection and remote alarm communication system, according to claim 37, wherein said prearranged pattern of communicating in the first mode is said second transmitter/receiver sending a first stimulus message to said first transmitter/receiver encrypted using a prearranged first set of encryption values, said first transmitter/receiver responding with a reply message encrypted using a prearranged second set of encryption values to said second transmitter/receiver, comparing de-encrypted said reply message to the prearranged correct response at said second location, indicating an alarm when a correct reply message is not received at said second location.

52. (currently amended) An intrusion detection and remote alarm communication system, according to claim 37, wherein said prearranged pattern of communicating in the first mode is said second transmitter/receiver sending an encrypted first stimulus message made of two parts, a first part and a second part, said first part providing instructions for the transformation of said second part by said first transmitter/receiver to said first transmitter/receiver, said first transmitter/receiver responding with an encrypted reply message that is a prearranged transformation of an encryption of said instructed transformation of said second part of first- said stimulus message to said second transmitter/receiver, said prearranged transformation being defined by said first part of said first message, comparing said encrypted

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reply message to the prearranged correct response at said second location, indicating an alarm when a correct reply message is not received at said second location.

53. (new) An intrusion detection and remote alarm communication system, according to claim 1, wherein said signal transmitted by said transmitter in said first mode is encrypted and said receiver de-encrypts said signal prior to said comparing.